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MASSHEALTH  
TRANSMITTAL LETTER IDTF-2  
December 2006

**TO:** Independent Diagnostic Testing Facility (IDTF) Providers Participating in MassHealth

**FROM:** Beth Waldman, Medicaid Director

**RE:** *Independent Diagnostic Testing Facility Manual (2007 HCPCS Codes)*

This letter transmits revisions to the service codes in the *Independent Diagnostic Testing Facility (IDTF)* manual. The Centers for Medicare and Medicaid Services (CMS) have revised the Healthcare Common Procedure Coding System (HCPCS) for 2007. The revised Subchapter 6 is effective for dates of service on or after January 1, 2007.

If you wish to obtain a fee schedule, you may download the Division of Health Care Finance and Policy regulations at no cost at [www.mass.gov/dhcfp](http://www.mass.gov/dhcfp). You may also purchase a paper copy of Division of Health Care Finance and Policy regulations from either the Massachusetts State Bookstore or from the Division of Health Care Finance and Policy (see addresses and telephone numbers below). You must contact them first to find out the price of the paper copy of the publication. The regulation titles for this provider are 114.3 CMR 17: Medicine and 114.3 CMR 18: Radiology.

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### **NEW MATERIAL**

(The pages listed here contain new or revised language.)

*Independent Diagnostic Testing Facility Manual*

Pages vi and 6-1 through 6-32

OBSOLETE MATERIAL

(The pages listed here are no longer in effect.)

Independent Diagnostic Testing Facility Manual

Pages vi and 6-1 through 6-34 — transmitted by Transmittal Letter IDTF-1

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601 Portable X Ray: Radiology Service Codes and Descriptions

Service

Code    Service Description

**Diagnostic Radiology (Diagnostic Imaging)**

**Head and Neck**

70030 Radiologic examination, eye, for detection of foreign body  
70100 Radiologic examination, mandible; partial, less than four views  
70110        complete, minimum of four views  
70120 Radiologic examination, mastoids; less than three views per side  
70130        complete, minimum of three views per side  
70134 Radiologic examination, internal auditory meati, complete  
70140 Radiologic examination, facial bones; less than three views  
70150        complete, minimum of three views  
70160 Radiologic examination, nasal bones, complete, minimum of three views  
70190 Radiologic examination; optic foramina  
70200        orbits, complete, minimum of four views  
70210 Radiologic examination, sinuses, paranasal, less than three views  
70220 Radiologic examination, sinuses, paranasal, complete, minimum of three views  
70240 Radiologic examination, sella turcica  
70250 Radiologic examination, skull; less than four views  
70260        complete, minimum of four views  
70300 Radiologic examination, teeth; single view  
70310        partial examination, less than full mouth  
70320        complete, full mouth  
70328 Radiologic examination, temporomandibular joint, open and closed mouth; unilateral  
70330        bilateral  
70332 Temporomandibular joint arthrography, radiological supervision and interpretation  
70350 Cephalogram, orthodontic  
70355 Orthopantomogram  
70360 Radiologic examination; neck, soft tissue  
70370        pharynx or larynx, including fluoroscopy and/or magnification technique  
70371 Complex dynamic pharyngeal and speech evaluation by cine or video recording  
70373 Laryngography, contrast, radiological supervision and interpretation  
70380 Radiologic examination, salivary gland for calculus  
70390 Sialography, radiological supervision and interpretation

**Chest**

71010 Radiologic examination, chest; single view, frontal  
71015        stereo, frontal  
71020 Radiologic examination, chest, two views, frontal and lateral  
71021        with apical lordotic procedure  
71022        with oblique projections  
71023        with fluoroscopy

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601      Portable X Ray: Radiology Service Codes and Descriptions (cont.)

Service

Code      Service Description

71035	Radiologic examination, chest, special views (e.g., lateral decubitus, Bucky studies)
71040	Bronchography, unilateral, radiological supervision and interpretation
71060	Bronchography, bilateral, radiological supervision and interpretation
71100	Radiologic examination, ribs, unilateral; two views
71101	including posteroanterior chest, minimum of three views
71110	Radiologic examination, ribs, bilateral; three views
71111	including posteroanterior chest, minimum of four views
71120	Radiologic examination; sternum, minimum of two views
71130	sternoclavicular joint or joints, minimum of three views

**Spine and Pelvis**

72010	Radiologic examination, spine, entire, survey study, anteroposterior and lateral
72020	Radiologic examination, spine, single view, specify level
72040	Radiologic examination, spine, cervical; two or three views
72050	minimum of four views
72052	complete, including oblique and flexion and/or extension studies
72069	Radiological examination, spine, thoracolumbar, standing (scoliosis)
72070	Radiologic examination, spine; thoracic, two views
72072	thoracic, three views
72074	thoracic, minimum of four views
72080	thoracolumbar, two views
72090	scoliosis study, including supine and erect studies
72100	Radiologic examination, spine, lumbosacral; two or three views
72110	minimum of four views
72114	complete, including bending views
72120	Radiologic examination, spine, lumbosacral, bending views only, minimum of four views
72170	Radiologic examination, pelvis; one or two views
72190	complete, minimum of three views
72200	Radiologic examination, sacroiliac joints; less than three views
72202	three or more views
72220	Radiologic examination, sacrum and coccyx, minimum of two views
72240	Myelography, cervical, radiological supervision and interpretation
72255	Myelography, thoracic, radiological supervision and interpretation
72265	Myelography, lumbosacral, radiological supervision and interpretation
72270	Myelography, two or more regions (e.g., lumbar/thoracic, cervical/thoracic, lumbar/cervical, lumbar/thoracic/cervical), radiological supervision and interpretation
72275	Epidurography, radiological supervision and interpretation
72285	Diskography, cervical or thoracic, radiological supervision and interpretation
72295	Diskography, lumbar, radiological supervision and interpretation

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601 Portable X Ray: Radiology Service Codes and Descriptions (cont.)

Service  
Code

Service Description

**Upper Extremities**

73000	Radiologic examination; clavicle, complete
73010	scapula, complete
73020	Radiologic examination, shoulder; one view
73030	complete, minimum of two views
73040	Radiologic examination, shoulder, arthrography, radiological supervision and interpretation
73050	Radiologic examination; acromioclavicular joints, bilateral, with or without weighted distraction
73060	humerus, minimum of two views
73070	Radiologic examination, elbow; two views
73080	complete, minimum of three views
73085	Radiologic examination, elbow, arthrography, radiological supervision and interpretation
73090	Radiologic examination; forearm, two views
73092	upper extremity, infant, minimum of two views
73100	Radiologic examination, wrist; two views
73110	complete, minimum of three views
73115	Radiologic examination, wrist, arthrography, radiological supervision and interpretation
73120	Radiologic examination, hand; two views
73130	minimum of three views
73140	Radiologic examination, finger(s), minimum of two views

**Lower Extremities**

73500	Radiologic examination, hip, unilateral; one view
73510	complete, minimum of two views
73520	Radiologic examination, hips, bilateral, minimum of two views of each hip, including anteroposterior view of pelvis
73525	Radiologic examination, hip, arthrography, radiological supervision and interpretation
73530	Radiologic examination, hip, during operative procedure
73540	Radiologic examination, pelvis and hips, infant or child, minimum of two views
73542	Radiological examination, sacroliac joint arthrography, radiological supervision and interpretation
73550	Radiologic examination, femur, two views
73560	Radiologic examination, knee; one or two views
73562	three views
73564	complete, four or more views
73565	both knees, standing, anteroposterior
73580	Radiologic examination, knee, arthrography, radiological supervision and interpretation
73590	Radiologic examination; tibia and fibula, two views
73592	lower extremity, infant, minimum of two views
73600	Radiologic examination, ankle; two views
73610	complete, minimum of three views
73615	Radiologic examination, ankle, arthrography, radiological supervision and interpretation
73620	Radiologic examination, foot; two views
73630	complete, minimum of three views

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601 Portable X Ray: Radiology Service Codes and Descriptions (cont.)

Service  
Code

Service Description

73650 Radiologic examination; calcaneus, minimum of two views  
73660 toe(s), minimum of two views

**Abdomen**

74000 Radiologic examination, abdomen; single anteroposterior view  
74010 anteroposterior and additional oblique and cone views  
74020 complete, including decubitus and/or erect views  
74022 complete acute abdomen series, including supine, erect, and/or decubitus views, single view chest

**Gastrointestinal Tract**

74210 Radiologic examination; pharynx and/or cervical esophagus  
74220 esophagus  
74230 Swallowing function, with cineradiography/videoradiography  
Removal of foreign body(s), esophageal, with use of balloon catheter, radiological supervision and interpretation  
74240 Radiologic examination, gastrointestinal tract, upper; with or without delayed films, without KUB  
74241 with or without delayed films, with KUB  
74245 with small intestine, includes multiple serial films  
74246 Radiological examination, gastrointestinal tract, upper, air contrast, with specific high density barium, effervescent agent, with or without glucagon; with or without delayed films, without KUB  
74247 with or without delayed films, with KUB  
74249 with small intestine follow-through  
74250 Radiologic examination, small intestine, includes multiple serial films  
74251 via enteroclysis tube  
74260 Duodenography, hypotonic  
74270 Radiologic examination, colon; barium enema, with or without KUB  
74280 air contrast with specific high density barium, with or without glucagon  
74290 Cholecystography, oral contrast  
74291 additional or repeat examination or multiple day examination  
74300 Cholangiography and/or pancreatography; intraoperative, radiological supervision and interpretation  
74301 additional set intraoperative, radiological supervision and interpretation (List separately in addition to code for primary procedure.)  
74305 through existing catheter, radiological supervision and interpretation  
74320 Cholangiography, percutaneous, transhepatic, radiological supervision and interpretation

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602 Freestanding Magnetic Resonance Imaging (FMRI): Radiology Service Codes and Descriptions

Service  
Code

Service Description

**Head and Neck**

- 70336 Magnetic resonance (e.g., proton) imaging, temporomandibular joint(s) (P.A.)
- 70540 Magnetic resonance (e.g., proton) imaging, orbit, face, and/or neck; without contrast material(s)
- 70542 with contrast materials
- 70543 without contrast material(s), followed by contrast material(s) and further sequences
- 70544 Magnetic resonance angiography, head; without contrast material(s)
- 70545 with contrast material(s)
- 70546 without contrast material(s), followed by contrast material(s) and further sequences
- 70547 Magnetic resonance angiography, neck; without contrast material(s)
- 70548 with contrast material(s)
- 70549 without contrast material(s), followed by contrast material(s) and further sequences
- 70551 Magnetic resonance (e.g., proton) imaging, brain (including brain stem); without contrast material
- 70552 with contrast material(s) (professional component only)
- 70553 without contrast material, followed by contrast material(s) and further sequences
- 70557 Magnetic resonance (e.g., proton) imaging, brain (including brain stem and skull base), during open intracranial procedure (e.g., to assess for residual tumor or residual vascular malformation); without contrast material
- 70558 with contrast material(s)
- 70559 without contrast material(s), followed by contrast material(s) and further sequences

**Chest**

- 71550 Magnetic resonance (e.g. proton) imaging, chest (e.g. for evaluation of hilar and mediastinal lymphadenopathy); without contrast material(s)
- 71551 with contrast material(s)
- 71555 Magnetic resonance angiography, chest (excluding myocardium), with or without contrast material(s)

**Spine and Pelvis**

- 72141 Magnetic resonance (e.g., proton) imaging, spinal canal and contents, cervical; without contrast material
- 72142 with contrast material(s)
- 72146 Magnetic resonance (e.g., proton) imaging, spinal canal and contents, thoracic; without contrast material
- 72147 with contrast material(s)
- 72148 Magnetic resonance (e.g., proton) imaging, spinal canal and contents, lumbar; without contrast material
- 72149 with contrast material(s)
- 72156 Magnetic resonance (e.g., proton) imaging, spinal canal and contents, without contrast material, followed by contrast material(s) and further sequences; cervical
- 72157 thoracic
- 72158 lumbar
- 72195 Magnetic resonance (e.g. proton) imaging, pelvis; without contrast materials

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602 Freestanding Magnetic Resonance Imaging (FMRI): Radiology Service Codes and Descriptions  
(cont.)

- 72196 with contrast material(s)  
72197 without contrast material(s), followed by contrast material(s) and further sequences

**Upper Extremities**

- 73218 Magnetic resonance (e.g. proton) imaging, upper extremity, other than joint; without contrast materials  
73219 with contrast material(s)  
73220 Magnetic resonance (e.g., proton) imaging, upper extremity, other than joint; without contrast material(s), followed by contrast material(s) and further sequences  
73221 Magnetic resonance (e.g., proton) imaging, any joint of upper extremity; without contrast material(s)  
73222 with contrast material(s)  
73223 without contrast material(s), followed by contrast material(s) and further sequences

**Lower Extremities**

- 73718 Magnetic resonance (e.g.) proton imaging, lower extremity other than joint; without contrast material(s)  
73719 with contrast material(s)  
73720 Magnetic resonance (e.g., proton) imaging, lower extremity, other than joint; without contrast material(s), followed by contrast material(s) and further sequences  
73721 Magnetic resonance (e.g. proton) imaging, any joint of lower extremity; without contrast material  
73722 with contrast material(s)  
73723 without contrast material(s), followed by contrast material(s) and further sequences  
73725 Magnetic resonance angiography, lower extremity, with or without contrast material(s)  
74181 Magnetic resonance (e.g., proton) imaging, abdomen; without contrast material(s)  
74182 with contrast material(s)  
74183 without contrast material(s), followed by with contrast material(s) and further sequences  
74185 Magnetic resonance angiography, abdomen, with or without contrast material(s)

**Heart**

- 75552 Cardiac magnetic resonance imaging for morphology; without contrast material  
75553 with contrast material  
75554 Cardiac magnetic resonance imaging for function, with or without morphology; complete study  
75555 limited study  
75556 Cardiac magnetic resonance imaging for velocity flow mapping

**Radiologic Guidance**

**Magnetic Resonance Guidance**

- 77021 Magnetic resonance guidance for needle placement (eg, for biopsy, needle aspiration, injection, or placement of localization device) radiological supervision and interpretation  
77022 Magnetic resonance guidance for, and monitoring of, parenchymal tissue ablation

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602 Freestanding Magnetic Resonance Imaging (FMRI): Radiology Service Codes and Descriptions  
(cont.)

Service

Code      Service Description

**Breast Mammography**

77058      Magnetic resonance imaging, breast, without and/or with contrast material(s); unilateral (P.A.)  
77059           bilateral (P.A.)

**Diagnostic Radiology (Diagnostic Imaging)**

**Head and Neck**

70030      Radiologic examination, eye, for detection of foreign body  
70100      Radiologic examination, mandible; partial, less than four views  
70110           complete, minimum of four views  
70120      Radiologic examination, mastoids; less than three views per side  
70130           complete, minimum of three views per side  
70134      Radiologic examination, internal auditory meati, complete  
70140      Radiologic examination, facial bones; less than three views  
70150           complete, minimum of three views  
70160      Radiologic examination, nasal bones, complete, minimum of three views  
70190      Radiologic examination; optic foramina  
70200           orbits, complete, minimum of four views  
70210      Radiologic examination, sinuses, paranasal, less than three views  
70220      Radiologic examination, sinuses, paranasal, complete, minimum of three views  
70240      Radiologic examination, sella turcica  
70250      Radiologic examination, skull; less than four views  
70260           complete, minimum of four views  
70300      Radiologic examination, teeth; single view  
70310           partial examination, less than full mouth  
70320           complete, full mouth  
70328      Radiologic examination, temporomandibular joint, open and closed mouth; unilateral  
70330           bilateral  
70332      Temporomandibular joint arthrography, radiological supervision and interpretation  
70336      Magnetic resonance (e.g., proton) imaging, temporomandibular joint(s) (P.A.)  
70350      Cephalogram, orthodontic  
70355      Orthopantomogram  
70360      Radiologic examination; neck, soft tissue  
70370           pharynx or larynx, including fluoroscopy and/or magnification technique  
70371      Complex dynamic pharyngeal and speech evaluation by cine or video recording  
70373      Laryngography, contrast, radiological supervision and interpretation  
70380      Radiologic examination, salivary gland for calculus

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603     Diagnostic Imaging Centers: Radiology Service Codes and Descriptions

Service

Code     Service Description

70390	Sialography, radiological supervision and interpretation
70450	Computed tomography, head or brain; without contrast material
70460	with contrast material(s)
70470	without contrast material, followed by contrast material(s) and further sections
70480	Computed tomography, orbit, sella, or posterior fossa or outer, middle, or inner ear; without contrast material
70481	with contrast material(s)
70482	without contrast material, followed by contrast material(s) and further sections
70486	Computed tomography, maxillofacial area; without contrast material
70487	with contrast material(s)
70488	without contrast material, followed by contrast material(s) and further sections
70490	Computed tomography, soft tissue neck; without contrast material
70491	with contrast material(s)
70492	without contrast material followed by contrast material(s) and further sections
70540	Magnetic resonance (e.g., proton) imaging, orbit, face, and/or neck; without contrast material(s)
70542	with contrast materials
70543	without contrast material(s), followed by contrast material(s) and further sequences
70544	Magnetic resonance angiography, head; without contrast material(s)
70545	with contrast material(s)
70546	without contrast material(s), followed by contrast material(s) and further sequences
70547	Magnetic resonance angiography, neck; without contrast material(s)
70548	with contrast material(s)
70549	without contrast material(s), followed by contrast material(s) and further sequences
70551	Magnetic resonance (e.g., proton) imaging, brain (including brain stem); without contrast material
70552	with contrast material(s) (professional component only)
70553	without contrast material, followed by contrast material(s) and further sequences
70557	Magnetic resonance (e.g., proton) imaging, brain (including brain stem and skull base), during open intracranial procedure (e.g., to assess for residual tumor or residual vascular malformation); without contrast material
70558	with contrast material(s)
70559	without contrast material(s), followed by contrast material(s) and further sequences

**Chest**

71010	Radiologic examination, chest; single view, frontal
71015	stereo, frontal
71020	Radiologic examination, chest, two views, frontal and lateral
71021	with apical lordotic procedure
71022	with oblique projections
71023	with fluoroscopy
71030	Radiologic examination, chest, complete, minimum of four views
71034	with fluoroscopy
71035	Radiologic examination, chest, special views (e.g., lateral decubitus, Bucky studies)
71040	Bronchography, unilateral, radiological supervision and interpretation

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603 Diagnostic Imaging Centers: Radiology Service Codes and Descriptions (cont.)

Service  
Code

Service Description

71060 Bronchography, bilateral, radiological supervision and interpretation  
71100 Radiologic examination, ribs, unilateral; two views  
71101 including posteroanterior chest, minimum of three views  
71110 Radiologic examination, ribs, bilateral; three views  
71111 including posteroanterior chest, minimum of four views  
71120 Radiologic examination; sternum, minimum of two views  
71130 sternoclavicular joint or joints, minimum of three views  
71550 Magnetic resonance (e.g. proton) imaging, chest (e.g. for evaluation of hilar and mediastinal lymphadenopathy); without contrast material(s)  
71551 with contrast material(s)  
71555 Magnetic resonance angiography, chest (excluding myocardium), with or without contrast material(s)

**Spine and Pelvis**

72010 Radiologic examination, spine, entire, survey study, anteroposterior and lateral  
72020 Radiologic examination, spine, single view, specify level  
72040 Radiologic examination, spine, cervical; two or three views  
72050 minimum of four views  
72052 complete, including oblique and flexion and/or extension studies  
72069 Radiological examination, spine, thoracolumbar, standing (scoliosis)  
72070 Radiologic examination, spine; thoracic, two views  
72072 thoracic, three views  
72074 thoracic, minimum of four views  
72080 thoracolumbar, two views  
72090 scoliosis study, including supine and erect studies  
72100 Radiologic examination, spine, lumbosacral; two or three views  
72110 minimum of four views  
72114 complete, including bending views  
72120 Radiologic examination, spine, lumbosacral, bending views only, minimum of four views  
72125 Computed tomography, cervical spine; without contrast material  
72126 with contrast material  
72127 without contrast material, followed by contrast material(s) and further sections  
72128 Computed tomography, thoracic spine; without contrast material  
72129 with contrast material  
72130 without contrast material, followed by contrast material(s) and further sections  
72131 Computed tomography, lumbar spine; without contrast material  
72132 with contrast material  
72133 without contrast material, followed by contrast material(s) and further sections  
72141 Magnetic resonance (e.g., proton) imaging, spinal canal and contents, cervical; without contrast material  
72142 with contrast material(s)  
72146 Magnetic resonance (e.g., proton) imaging, spinal canal and contents, thoracic; without contrast material  
72147 with contrast material(s)

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603      Diagnostic Imaging Centers: Radiology Service Codes and Descriptions (cont.)

Service  
Code

Service Description

72148	Magnetic resonance (e.g., proton) imaging, spinal canal and contents, lumbar; without contrast material
72149	with contrast material(s)
72156	Magnetic resonance (e.g., proton) imaging, spinal canal and contents, without contrast material, followed by contrast material(s) and further sequences; cervical
72157	thoracic
72158	lumbar
72170	Radiologic examination, pelvis; one or two views
72190	complete, minimum of three views
72192	Computed tomography, pelvis; without contrast material
72193	with contrast material(s)
72194	without contrast material, followed by contrast material(s) and further sections
72195	Magnetic resonance (e.g. proton) imaging, pelvis; without contrast materials
72196	with contrast material(s)
72197	without contrast material(s), followed by contrast material(s) and further sequences
72200	Radiologic examination, sacroiliac joints; less than three views
72202	three or more views
72220	Radiologic examination, sacrum and coccyx, minimum of two views
72240	Myelography, cervical, radiological supervision and interpretation
72255	Myelography, thoracic, radiological supervision and interpretation
72265	Myelography, lumbosacral, radiological supervision and interpretation
72270	Myelography, two or more regions (e.g., lumbar/thoracic, cervical/thoracic, lumbar/cervical, lumbar/thoracic/cervical), radiological supervision and interpretation
72275	Epidurography, radiological supervision and interpretation
72285	Diskography, cervical or thoracic, radiological supervision and interpretation
72295	Diskography, lumbar, radiological supervision and interpretation

**Upper Extremities**

73000	Radiologic examination; clavicle, complete
73010	scapula, complete
73020	Radiologic examination, shoulder; one view
73030	complete, minimum of two views
73040	Radiologic examination, shoulder, arthrography, radiological supervision and interpretation
73050	Radiologic examination; acromioclavicular joints, bilateral, with or without weighted distraction
73060	humerus, minimum of two views
73070	Radiologic examination, elbow; two views
73080	complete, minimum of three views
73085	Radiologic examination, elbow, arthrography, radiological supervision and interpretation
73090	Radiologic examination; forearm, two views
73092	upper extremity, infant, minimum of two views
73100	Radiologic examination, wrist; two views
73110	complete, minimum of three views
73115	Radiologic examination, wrist, arthrography, radiological supervision and interpretation

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603 Diagnostic Imaging Centers: Radiology Service Codes and Descriptions (cont.)

Service

Code      Service Description

73120	Radiologic examination, hand; two views
73130	minimum of three views
73140	Radiologic examination, finger(s), minimum of two views
73200	Computed tomography, upper extremity; without contrast material
73201	with contrast material(s)
73202	without contrast material, followed by contrast material(s) and further sections
73218	Magnetic resonance (e.g. proton) imaging, upper extremity, other than joint; without contrast materials
73219	with contrast material(s)
73220	Magnetic resonance (e.g., proton) imaging, upper extremity, other than joint; without contrast material(s), followed by contrast material(s) and further sequences
73221	Magnetic resonance (e.g., proton) imaging, any joint of upper extremity; without contrast material(s)
73222	with contrast material(s)
73223	without contrast material(s), followed by contrast material(s) and further sequences

**Lower Extremities**

73500	Radiologic examination, hip, unilateral; one view
73510	complete, minimum of two views
73520	Radiologic examination, hips, bilateral, minimum of two views of each hip, including anteroposterior view of pelvis
73525	Radiologic examination, hip, arthrography, radiological supervision and interpretation
73530	Radiologic examination, hip, during operative procedure
73540	Radiologic examination, pelvis and hips, infant or child, minimum of two views
73542	Radiological examination, sacroiliac joint arthrography, radiological supervision and interpretation
73550	Radiologic examination, femur, two views
73560	Radiologic examination, knee; one or two views
73562	three views
73564	complete, four or more views
73565	both knees, standing, anteroposterior
73580	Radiologic examination, knee, arthrography, radiological supervision and interpretation
73590	Radiologic examination; tibia and fibula, two views
73592	lower extremity, infant, minimum of two views
73600	Radiologic examination, ankle; two views
73610	complete, minimum of three views
73615	Radiologic examination, ankle, arthrography, radiological supervision and interpretation
73620	Radiologic examination, foot; two views
73630	complete, minimum of three views
73650	Radiologic examination; calcaneus, minimum of two views
73660	toe(s), minimum of two views
73700	Computed tomography, lower extremity; without contrast material
73701	with contrast material(s)

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603 Diagnostic Imaging Centers: Radiology Service Codes and Descriptions (cont.)

Service  
Code

Service Description

73702 without contrast material, followed by contrast material(s) and further sections  
73718 Magnetic resonance (e.g.) proton imaging, lower extremity other than joint; without contrast material(s)  
73719 with contrast material(s)  
73720 Magnetic resonance (e.g., proton) imaging, lower extremity, other than joint; without contrast material(s), followed by contrast material(s) and further sequences  
73721 Magnetic resonance (e.g. proton) imaging, any joint of lower extremity; without contrast material  
73722 with contrast material(s)  
73723 without contrast material(s), followed by contrast material(s) and further sequences  
73725 Magnetic resonance angiography, lower extremity, with or without contrast material(s)

**Abdomen**

74000 Radiologic examination, abdomen; single anteroposterior view  
74010 anteroposterior and additional oblique and cone views  
74020 complete, including decubitus and/or erect views  
74022 complete acute abdomen series, including supine, erect, and/or decubitus views, single view chest  
74150 Computed tomography, abdomen; without contrast material  
74160 with contrast material(s)  
74170 without contrast material, followed by contrast material(s) and further sections  
74181 Magnetic resonance (e.g., proton) imaging, abdomen; without contrast material(s)  
74182 with contrast material(s)  
74183 without contrast material(s), followed by with contrast material(s) and further sequences  
74185 Magnetic resonance angiography, abdomen, with or without contrast material(s)  
74190 Peritoneogram (e.g., after injection of air or contrast), radiological supervision and interpretation

**Gastrointestinal Tract**

74210 Radiologic examination; pharynx and/or cervical esophagus  
74220 esophagus  
74230 Swallowing function, with cineradiography/videoradiography  
74235 Removal of foreign body(s), esophageal, with use of balloon catheter, radiological supervision and interpretation  
74240 Radiologic examination, gastrointestinal tract, upper; with or without delayed films, without KUB  
74241 with or without delayed films, with KUB  
74245 with small intestine, includes multiple serial films  
74246 Radiological examination, gastrointestinal tract, upper, air contrast, with specific high density barium, effervescent agent, with or without glucagon; with or without delayed films, without KUB  
74247 with or without delayed films, with KUB  
74249 with small intestine follow-through  
74250 Radiologic examination, small intestine, includes multiple serial films  
74251 via enteroclysis tube  
74260 Duodenography, hypotonic  
74270 Radiologic examination, colon; barium enema, with or without KUB

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603      Diagnostic Imaging Centers: Radiology Service Codes and Descriptions (cont.)

Service

Code      Service Description

- 74280      air contrast with specific high density barium, with or without glucagons
- 74283      Therapeutic enema, contrast or air, for reduction of intussusception or other intraluminal obstruction (e.g., meconium ileus)
- 74290      Cholecystography, oral contrast
- 74291      additional or repeat examination or multiple day examination
- 74300      Cholangiography and/or pancreatography; intraoperative, radiological supervision and interpretation
- 74301      additional set intraoperative, radiological supervision and interpretation (List separately in addition to code for primary procedure.)
- 74305      through existing catheter, radiological supervision and interpretation
- 74320      Cholangiography, percutaneous, transhepatic, radiological supervision and interpretation
- 74327      Postoperative biliary duct calculus removal, percutaneous via T-tube tract, basket or snare (e.g., Burhenne technique), radiological supervision and interpretation
- 74330      Combined endoscopic catheterization of the biliary and pancreatic ductal systems, radiological supervision and interpretation
- 74340      Introduction of long gastrointestinal tube (e.g., Miller-Abbott), including multiple fluoroscopies and films, radiological supervision and interpretation
- 74350      Percutaneous placement of gastrostomy tube, radiological supervision and interpretation
- 74355      Percutaneous placement of enteroclysis tube, radiological supervision and interpretation

**Urinary Tract**

- 74400      Urography (pyelography), intravenous, with or without KUB, with or without tomography
- 74410      Urography, infusion, drip technique and/or bolus technique
- 74415      with nephrotomography
- 74420      Urography, retrograde, with or without KUB
- 74425      Urography, antegrade (pyelostogram, nephrostogram, loopogram), radiological supervision and interpretation
- 74430      Cystography, minimum of three views, radiological supervision and interpretation
- 74440      Vasography, vesiculography, or epididymography, radiological supervision and interpretation
- 74445      Corpora cavernosography, radiological supervision and interpretation
- 74450      Urethrocystography, retrograde, radiological supervision and interpretation
- 74455      Urethrocystography, voiding, radiological supervision and interpretation
- 74470      Radiologic examination, renal cyst study, translumbar, contrast visualization, radiological supervision and interpretation
- 74475      Introduction of intracatheter or catheter into renal pelvis for drainage and/or injection, percutaneous, radiological supervision and interpretation
- 74480      Introduction of ureteral catheter or stent into ureter through renal pelvis for drainage and/or injection, percutaneous, radiological supervision and interpretation
- 74485      Dilatation of nephrostomy, ureters, or urethra, radiological supervision and interpretation

**Gynecological and Obstetrical**

- 74710      Pelvimetry, with or without placental localization

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603 Diagnostic Imaging Centers: Radiology Service Codes and Descriptions (cont.)

Service  
Code

Service Description

74740 Hysterosalpingography, radiological supervision and interpretation  
74742 Transcervical catheterization of fallopian tube, radiological supervision and interpretation  
74775 Perineogram (e.g., vaginogram, for sex determination or extent of anomalies)

**Heart**

75552 Cardiac magnetic resonance imaging for morphology; without contrast material  
75553 with contrast material  
75554 Cardiac magnetic resonance imaging for function, with or without morphology; complete study  
75555 limited study  
75556 Cardiac magnetic resonance imaging for velocity flow mapping (I.C.)  
75600 Aortography, thoracic, without serialography, radiological supervision and interpretation

**Vascular Procedures**

Aorta and Arteries

75605 Aortography, thoracic, by serialography, radiological supervision and interpretation  
75625 Aortography, abdominal, by serialography, radiological supervision and interpretation  
75630 Aortography, abdominal plus bilateral iliofemoral lower extremity, catheter, by serialography, radiological supervision and interpretation  
75650 Angiography, cervicocerebral, catheter, including vessel origin, radiological supervision and interpretation  
75658 Angiography, brachial, retrograde, radiological supervision and interpretation  
75660 Angiography, external carotid, unilateral, selective, radiological supervision and interpretation  
75662 Angiography, external carotid, bilateral, selective, radiological supervision and interpretation  
75665 Angiography, carotid, cerebral, unilateral, radiological supervision and interpretation  
75671 Angiography, carotid, cerebral, bilateral, radiological supervision and interpretation  
75676 Angiography, carotid, cervical, unilateral, radiological supervision and interpretation  
75680 Angiography, carotid, cervical, bilateral, radiological supervision and interpretation  
75685 Angiography, vertebral, cervical, and/or intracranial, radiological supervision and interpretation  
75705 Angiography, spinal, selective, radiological supervision and interpretation  
75710 Angiography, extremity, unilateral, radiological supervision and interpretation  
75716 Angiography, extremity, bilateral, radiological supervision and interpretation  
75722 Angiography, renal, unilateral, selective (including flush aortogram), radiological supervision and interpretation  
75724 Angiography, renal, bilateral, selective (including flush aortogram), radiological supervision and interpretation  
75726 Angiography, visceral, selective or supraseductive (with or without flush aortogram), radiological supervision and interpretation  
75731 Angiography, adrenal, unilateral, selective, radiological supervision and interpretation  
75733 Angiography, adrenal, bilateral, selective, radiological supervision and interpretation  
75736 Angiography, pelvic, selective or supraseductive, radiological supervision and interpretation  
75741 Angiography, pulmonary, unilateral, selective, radiological supervision and interpretation

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Service  
Code

Service Description

- 75743      Angiography, pulmonary, bilateral, selective, radiological supervision and interpretation  
75746      Angiography, pulmonary, by nonselective catheter or venous injection, radiological supervision and interpretation  
75756      Angiography, internal mammary, radiological supervision and interpretation  
75774      Angiography, selective, each additional vessel studied after basic examination, radiological supervision and interpretation (List separately in addition to code for primary procedure.)  
75790      Angiography, arteriovenous shunt (e.g., dialysis patient), radiological supervision and interpretation

Vein and Lymphatics

- 75801      Lymphangiography, extremity only, unilateral, radiological supervision and interpretation  
75803      Lymphangiography, extremity only, bilateral, radiological supervision and interpretation  
75805      Lymphangiography, pelvic/abdominal, unilateral, radiological supervision and interpretation  
75807      Lymphangiography, pelvic/abdominal, bilateral, radiological supervision and interpretation  
75809      Shuntogram for investigation of previously placed indwelling nonvascular shunt (e.g., LeVeen shunt, ventriculoperitoneal shunt, indwelling infusion pump), radiological supervision and interpretation  
75810      Splenoportography, radiological supervision and interpretation  
75820      Venography, extremity, unilateral, radiological supervision and interpretation  
75822      Venography, extremity, bilateral, radiological supervision and interpretation  
75825      Venography, caval, inferior, with serialography, radiological supervision and interpretation  
75827      Venography, caval, superior, with serialography, radiological supervision and interpretation  
75831      Venography, renal, unilateral, selective, radiological supervision and interpretation  
75833      Venography, renal, bilateral, selective, radiological supervision and interpretation  
75840      Venography, adrenal, unilateral, selective, radiological supervision and interpretation  
75842      Venography, adrenal, bilateral, selective, radiological supervision and interpretation  
75860      Venography, venous sinus (e.g., petrosal and inferior sagittal) or jugular, catheter, radiological supervision and interpretation  
75870      Venography, superior sagittal sinus, radiological supervision and interpretation  
75872      Venography, epidural, radiological supervision and interpretation  
75880      Venography, orbital, radiological supervision and interpretation  
75885      Percutaneous transhepatic portography with hemodynamic evaluation, radiological supervision and interpretation  
75887      Percutaneous transhepatic portography without hemodynamic evaluation, radiological supervision and interpretation  
75889      Hepatic venography, wedged or free, with hemodynamic evaluation, radiological supervision and interpretation  
75891      Hepatic venography, wedged or free, without hemodynamic evaluation, radiological supervision and interpretation  
75893      Venous sampling through catheter, with or without angiography (e.g., for parathyroid hormone, renin), radiological supervision and interpretation

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603 Diagnostic Imaging Centers: Radiology Service Codes and Descriptions (cont.)

Service

Code    Service Description

Transcatheter Procedures

- 75898    Angiography through existing catheter for follow-up study for transcatheter therapy, embolization or infusion
- 75900    Exchange of a previously placed arterial catheter during thrombolytic therapy with contrast monitoring, radiological supervision and interpretation
- 75901    Mechanical removal of pericatheter obstructive material (e.g., fibrin sheath) from central venous device via separate venous access, radiologic supervision and interpretation
- 75902    Mechanical removal of intraluminal (intracatheter) obstructive material from central venous device through device lumen, radiologic supervision and interpretation
- 75945    Intravascular ultrasound (non-coronary vessel), radiological supervision and interpretation; initial vessel
- 75946    each additional non-coronary vessel (List separately in addition to code for primary procedure.)

**Other Procedures**

- 76000    Fluoroscopy (separate procedure), up to one hour physician time, other than 71023 or 71034 (e.g., cardiac fluoroscopy)
- 76001    Fluoroscopy, physician time more than one hour, assisting a non-radiologic physician (e.g., nephrostolithotomy, ERCP, bronchoscopy, transbronchial biopsy)
- 76010    Radiologic examination from nose to rectum for foreign body, single view, child
- 76080    Radiologic examination, abscess, fistula or sinus tract study, radiological supervision and interpretation
- 76098    Radiological examination, surgical specimen
- 76100    Radiologic examination, single plane body section (e.g., tomography), other than with urography
- 76101    Radiologic examination, complex motion (i.e., hypercycloidal) body section (e.g., mastoid polytomography), other than with urography; unilateral
- 76102    bilateral
- 76120    Cineradiography/videoradiography, except where specifically included
- 76125    Cineradiography/videoradiography to complement routine examination (List separately in addition to code for primary procedure.)
- 76376    3D rendering with interpretation and reporting of computed tomography, magnetic resonance imaging, ultrasound, or other tomographic modality; not requiring image postprocessing on an independent workstation
- 76377    requiring image postprocessing on an independent station
- 76380    Computed tomography, limited or localized follow-up study
- 76499    Unlisted diagnostic radiographic procedure (I.C.)

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603 Diagnostic Imaging Centers: Radiology Service Codes and Descriptions (cont.)

Service  
Code

Service Description

**Diagnostic Ultrasound**

**Head and Neck**

- 76506 Echoencephalography, real time with image documentation (gray scale) (for determination of ventricular size, delineation of cerebral contents, and detection of fluid masses or other intracranial abnormalities), including A-mode encephalography as secondary component where indicated
- 76510 Ophthalmic ultrasound, diagnostic; B-scan and quantitative A-scan performed during the same patient encounter
- 76511 Ophthalmic ultrasound, echography, diagnostic; A-scan only, with amplitude quantification
- 76512 contact B-scan (with or without simultaneous A-scan)
- 76513 anterior segment ultrasound, immersion (water bath) B-scan or high resolution biomicroscopy
- 76514 corneal pachymetry, unilateral or bilateral (determination of corneal thickness)
- 76516 Ophthalmic biometry by ultrasound echography, A-scan
- 76519 with intraocular lens power calculation
- 76529 Ophthalmic ultrasonic foreign body localization
- 76536 Ultrasound, soft tissues of head and neck (e.g., thyroid, parathyroid, parotid), real time with image documentation

**Chest**

- 76604 Ultrasound, chest (includes mediastinum), real time with image documentation
- 76645 Ultrasound, breast(s) (unilateral or bilateral), real time with image documentation
- 76700 Ultrasound, abdominal, B-scan and/or real time with image documentation; complete
- 76705 limited (e.g., single organ, quadrant, follow-up)
- 76770 Ultrasound, retroperitoneal (e.g., renal, aorta, nodes), real time with image documentation; complete
- 76775 limited
- 76776 Ultrasound, transplanted kidney, real time and duplex doppler with image documentation

**Spinal Canal**

- 76800 Ultrasound, spinal canal and contents

**Pelvis**

- 76801 Ultrasound, pregnant uterus, real time with image documentation, fetal and maternal evaluation, first trimester (<14 weeks 0 days), transabdominal approach; single or first gestation
- 76802 each additional gestation (List separately in addition to code for primary procedure.)
- 76805 Ultrasound, pregnant uterus, real time with image documentation, fetal and maternal evaluation, after first trimester (> or = 14 weeks 0 days), transabdominal approach; single or first gestation
- 76810 each additional gestation (List separately in addition to code for primary procedure)

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603 Diagnostic Imaging Centers: Radiology Service Codes and Descriptions (cont.)

Service  
Code

Service Description

- 76811 Ultrasound, pregnant uterus, real time with image documentation, fetal and maternal evaluation plus detailed fetal anatomic examination, transabdominal approach, single or first gestation
- 76812 each additional gestation (List separately in addition to code for primary procedure.)
- 76815 Ultrasound, pregnant uterus, real time with image documentation, limited (e.g., fetal heart beat, placental location, fetal position and/or qualitative amniotic fluid volume), one or more fetuses
- 76816 Ultrasound, pregnant uterus, real time with image documentation, follow-up (e.g., reevaluation of fetal size by measuring standard growth parameters and amniotic fluid volume, reevaluation of organ system(s) suspected or confirmed to be abnormal on a previous scan), transabdominal approach, per fetus
- 76817 Ultrasound, pregnant uterus, real time with image documentation, transvaginal
- 76818 Fetal biophysical profile; with non-stress testing
- 76820 Doppler velocimetry, fetal; umbilical artery
- 76821 middle cerebral artery
- 76825 Echocardiography, fetal, cardiovascular system, real time with image documentation (2D), with or without M-mode recording
- 76826 follow-up or repeat study
- 76827 Doppler echocardiography, fetal, cardiovascular system, pulsed wave and/or continuous wave with spectral display; complete
- 76828 follow-up or repeat study
- 76830 Ultrasound, transvaginal
- 76831 Saline infusion sonohysterography (SIS), including color flow Doppler, when performed
- 76856 Ultrasound, pelvic (nonobstetric), real time with image documentation; complete
- 76857 limited or follow-up (e.g., for follicles)

**Genitalia**

- 76870 Ultrasound, scrotum and contents
- 76872 transrectal
- 76873 prostate volume study for brachytherapy treatment planning (separate procedure)

**Extremities**

- 76880 Ultrasound, extremity, non-vascular, real time with image documentation
- 76885 Ultrasound, infant hips, real time with imaging documentation; dynamic (requiring physician manipulation)
- 76886 limited, static (not requiring physician manipulation)

**Ultrasonic Guidance Procedures**

- 76937 Ultrasound guidance for vascular access requiring ultrasound evaluation of potential access sites, documentation of selected vessel patency, concurrent real time ultrasound visualization of vascular needle entry, with permanent recording and reporting (List separately in addition to code for primary procedure)

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Service  
Code

Service Description

- 76942 Ultrasonic guidance for needle placement (e.g., biopsy, aspiration, injection, localization device), imaging supervision and interpretation
- 76945 Ultrasonic guidance for chorionic villus sampling, imaging supervision and interpretation
- 76946 Ultrasonic guidance for amniocentesis, imaging supervision and interpretation
- 76948 Ultrasonic guidance for aspiration of ova, imaging supervision and interpretation
- 76950 Ultrasonic guidance for placement of radiation therapy fields
- 76965 Ultrasonic guidance for interstitial radioelement application

**Other Procedures**

- 76970 Ultrasound study follow-up (specify)
- 76977 Ultrasound bone density measurement and interpretation, peripheral site(s), any method
- 76999 Unlisted ultrasound procedure (e.g., diagnostic, interventional) (I.C.)

**Radiologic Guidance**

**Fluoroscopic Guidance**

- 77001 Fluoroscopic guidance for central venous access device placement, replacement (catheter only or complete), or removal (includes fluoroscopic guidance for vascular access and catheter manipulation, any necessary contrast injections through access site or catheter with related venography radiologic supervision and interpretation, and radiographic documentation of final catheter position) (List separately in addition to code for primary procedure)
- 77002 Fluoroscopic guidance for needle placement (eg, biopsy, aspiration, injection, localization device)
- 77003 Fluoroscopic guidance and localization of needle or catheter tip for spine or paraspinal diagnostic or therapeutic injection procedures (epidural, transforaminal epidural, subarachnoid, paravertebral facet joint, paravertebral facet joint nerve, or sacroiliac joint), including neurolytic agent

**Computed Tomography Guidance**

- 77011 Computed tomography guidance for stereotactic localization
- 77012 Computed tomography guidance for needle placement (e.g., biopsy, aspiration, injection, localization device) radiologic supervision and interpretation
- 77013 Computed tomography guidance for, and monitoring of, parenchymal tissue ablation
- 77014 Computed tomography guidance for placement of radiation therapy fields

**Magnetic Resonance Guidance**

- 77021 Magnetic resonance guidance for needle placement (e.g., for biopsy, needle aspiration, injection, or placement of localization device) radiological supervision and interpretation

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603 Diagnostic Imaging Centers: Radiology Service Codes and Descriptions (cont.)

Service  
Code

Service Description

77022 Magnetic resonance guidance for, and monitoring of, parenchymal tissue ablation

**Breast Mammography**

77051 Computer-aided detection (computer algorithm analysis of digital image data for lesion detection) with further physician review for interpretation, with or without digitization of film radiographic images; diagnostic mammography (List separately in addition to code for primary procedure)

77052 screening mammography (List separately in addition to code for primary procedure)

77053 Mammary ductogram or galactogram, single duct, radiological supervision and interpretation

77054 Mammary ductogram or galactogram, multiple ducts, radiological supervision and interpretation

77055 Mammography; unilateral

77056 bilateral

77057 Screening mammography, bilateral (2 view film study of each breast)

77058 Magnetic resonance imaging, breast, without and/or with contrast material(s); unilateral

77059 bilateral

**Bone/Joint Studies**

77071 Manual application of stress performed by physician for joint radiography, including contralateral joint if indicated

77072 Bone age studies

77073 One length studies (orthoroentgenogram, scanogram)

77074 Radiologic examination, osseous survey; limited (e.g., for metastases)

77075 complete (axial and appendicular skeleton)

77076 Radiologic examination, osseous survey, infant

77077 Joint survey, single view, 2 or more joints (specify)

77078 Computed tomography, bone mineral density study, 1 or more sites; axial skeleton (e.g., hips, pelvis, spine)

77079 appendicular skeleton (peripheral) (e.g., radius, wrist, heel)

77080 Dual-energy x-ray absorptiometry (DXA), bone density study, 1 or more sites; axial skeleton (e.g., hips, pelvis, spine)

77081 appendicular skeleton (peripheral) (e.g., radius, wrist, heel)

77082 vertebral fracture assessment

77083 Radiographic absorptiometry (e.g., photodensitometry, radiogrammetry), 1 or more sites

**Nuclear Medicine**

**Endocrine System**

78000 Thyroid uptake; single determination

78001 multiple determinations

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603 Diagnostic Imaging Centers: Radiology Service Codes and Descriptions (cont.)

Service  
Code

Service Description

78003 stimulation, suppression or discharge (not including initial uptake studies)  
78006 Thyroid imaging, with uptake; single determination  
78007 multiple determinations  
78010 Thyroid imaging; only  
78011 with vascular flow  
78015 Thyroid carcinoma metastases imaging; limited area (e.g., neck and chest only)  
78016 with additional studies (e.g., urinary recovery)  
78018 whole body  
78020 Thyroid carcinoma metastases uptake (List separately in addition to code for primary procedure.)  
78070 Parathyroid imaging  
78075 Adrenal imaging, cortex and/or medulla  
78099 Unlisted endocrine procedure, diagnostic nuclear medicine (I.C.)

**Hematopoietic, Reticuloendothelial and Lymphatic System**

78102 Bone marrow imaging; limited area  
78103 multiple areas  
78104 whole body  
78110 Plasma volume, radiopharmaceutical volume-dilution technique (separate procedure); single sampling  
78111 multiple samplings  
78120 Red cell volume determination (separate procedure); single sampling  
78121 multiple samplings  
78122 Whole blood volume determination, including separate measurement of plasma volume and red cell volume (radiopharmaceutical volume-dilution technique)  
78130 Red cell survival study  
78135 differential organ/tissue kinetics (e.g., splenic and/or hepatic sequestration)  
78140 Labeled red cell sequestration, differential organ/tissue (e.g., splenic and/or hepatic)  
78185 Spleen imaging only, with or without vascular flow  
78190 Kinetics, study of platelet survival, with or without differential organ/tissue localization  
78191 Platelet survival study  
78195 Lymphatics and lymph nodes imaging  
78199 Unlisted hematopoietic, reticuloendothelial and lymphatic procedure, diagnostic nuclear medicine (I.C.)

**Gastrointestinal System**

78201 Liver imaging; static only  
78202 with vascular flow  
78205 Liver imaging (SPECT)  
78206 with vascular flow  
78215 Liver and spleen imaging; static only

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603 Diagnostic Imaging Centers: Radiology Service Codes and Descriptions (cont.)

Service  
Code

Service Description

78216 with vascular flow  
78220 Liver function study with hepatobiliary agents, with serial images  
78223 Hepatobiliary ductal system imaging, including gallbladder, with or without pharmacologic intervention, with or without quantitative measurement of gallbladder function  
78230 Salivary gland imaging  
78231 with serial images  
78232 Salivary gland function study  
78258 Esophageal motility  
78261 Gastric mucosa imaging  
78262 Gastroesophageal reflux study  
78264 Gastric emptying study  
78270 Vitamin B-12 absorption study (e.g., Schilling test); without intrinsic factor  
78271 with intrinsic factor  
78272 Vitamin B-12 absorption studies combined, with and without intrinsic factor  
78278 Gastrointestinal protein loss  
78282 Gastrointestinal protein loss (I.C.)  
78290 Intestine imaging (e.g., ectopic gastric mucosa, Meckel's localization, volvulus)  
78291 Peritoneal-venous shunt patency test (e.g., for LeVeen, Denver shunt)  
78299 Unlisted gastrointestinal procedure, diagnostic nuclear medicine (I.C.)

**Musculoskeletal System**

78300 Bone and/or joint imaging; limited area  
78305 multiple areas  
78306 whole body  
78315 three phase study  
78320 tomographic (SPECT)  
78350 Bone density (bone mineral content) study, one or more sites; single photon absorptiometry  
78399 Unlisted musculoskeletal procedure, diagnostic nuclear medicine (I.C.)

**Cardiovascular System**

78414 Determination of central c-v hemodynamics (non-imaging) (e.g., ejection fraction with probe technique) with or without pharmacologic intervention or exercise, single or multiple determinations (I.C.)  
78428 Cardiac shunt detection  
78445 Non-cardiac vascular flow imaging (i.e., angiography, venography)  
78455 Venous thrombosis study (e.g., radioactive fibrinogen)  
78456 Acute venous thrombosis imaging, peptide  
78457 Venous thrombosis imaging, venogram; unilateral  
78458 bilateral  
78459 Myocardial imaging, positron emission tomography (PET), metabolic evaluation

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603 Diagnostic Imaging Centers: Radiology Service Codes and Descriptions (cont.)

Service  
Code

Service Description

- 78460 Myocardial perfusion imaging; (planar) single study, at rest or stress (exercise and/or pharmacologic), with or without quantification
- 78461 multiple studies, (planar) at rest and/or stress (exercise and/or pharmacologic), and redistribution and/or rest injection, with or without quantification
- 78464 tomographic (SPECT), single study at rest or stress (exercise and/or pharmacologic), with or without quantification
- 78465 tomographic (SPECT), multiple studies, at rest and/or stress (exercise and/or pharmacologic) and redistribution and/or rest injection, with or without quantification
- 78466 Myocardial imaging, infarct avid, planar; qualitative or quantitative
- 78468 with ejection fraction by first pass technique
- 78469 tomographic SPECT with or without quantification
- 78472 Cardiac blood pool imaging, gated equilibrium; planar, single study at rest or stress (exercise and/or pharmacologic), wall motion study plus ejection fraction, with or without additional quantitative processing
- 78473 multiple studies, wall motion study plus ejection fraction, at rest and stress (exercise and/or pharmacologic), with or without additional quantification
- 78478 Myocardial perfusion study with wall motion, qualitative or quantitative study (List separately in addition to code for primary procedure.)
- 78480 Myocardial perfusion study with ejection fraction (List separately in addition to code for primary procedure.)
- 78481 Cardiac blood pool imaging, (planar), first pass technique; single study, at rest or with stress (exercise and/or pharmacologic), wall motion study plus ejection fraction, with or without quantification
- 78483 multiple studies, at rest and with stress (exercise and/or pharmacologic), wall motion study plus ejection fraction, with or without quantification
- 78491 Myocardial imaging, positron emission tomography (PET), perfusion; single study at rest or stress
- 78492 multiple studies at rest and/or stress
- 78494 Cardiac blood pool imaging, gated equilibrium, SPECT, at rest, wall motion study plus ejection fraction, with or without quantitative processing
- 78496 Cardiac blood pool imaging, gated equilibrium, single study, at rest, with right ventricular ejection fraction by first pass technique (List separately in addition to code for primary procedure.)
- 78499 Unlisted cardiovascular procedure, diagnostic nuclear medicine (I.C.)

**Respiratory System**

- 78580 Pulmonary perfusion imaging; particulate
- 78584 Pulmonary perfusion imaging, particulate, with ventilation; single breath
- 78585 rebreathing and washout, with or without single breath
- 78586 Pulmonary ventilation imaging, aerosol; single projection
- 78587 multiple projections (e.g., anterior, posterior, lateral views)

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603      Diagnostic Imaging Centers: Radiology Service Codes and Descriptions (cont.)

Service  
Code

Service Description

- 78588      Pulmonary perfusion imaging, particulate, with ventilation imaging, aerosol, one or multiple projections
- 78591      Pulmonary ventilation imaging, gaseous, single breath, single projection
- 78593      Pulmonary ventilation imaging, gaseous, with rebreathing and washout with or without single breath; single projection
- 78594      multiple projections (e.g., anterior, posterior, lateral views)
- 78596      Pulmonary quantitative differential function (ventilation/perfusion) study
- 78599      Unlisted respiratory procedure, diagnostic nuclear medicine (I.C.)

**Nervous System**

- 78600      Brain imaging, limited procedure; static
- 78601      with vascular flow
- 78605      Brain imaging, complete study; static
- 78607      tomographic (SPECT)
- 78608      Brain imaging, positron emission tomography (PET); metabolic evaluation (I.C.)
- 78609      perfusion evaluation (I.C.)
- 78610      Brain imaging, vascular flow only
- 78615      Cerebral vascular flow
- 78630      Cerebrospinal fluid flow, imaging (not including introduction of material); cisternography
- 78635      ventriculography
- 78645      shunt evaluation
- 78647      tomographic (SPECT)
- 78650      Cerebrospinal fluid leakage detection and localization
- 78660      Radiopharmaceutical dacryocystography
- 78699      Unlisted nervous system procedure, diagnostic nuclear medicine (I.C.)

**Genitourinary System**

- 78700      Kidney imaging morphology;
- 78701      with vascular flow
- 78707      Kidney imaging morphology; with vascular flow and function; single study without pharmacological intervention
- 78708      with vascular flow and function, single study, with pharmacological intervention (e.g., angiotensin converting enzyme inhibitor and/or diuretic)
- 78709      with vascular flow and function, multiple studies, with and without pharmacological intervention (e.g., angiotensin converting enzyme inhibitor and/or diuretic)
- 78710      Kidney imaging morphology, tomographic (SPECT)
- 78725      Kidney function study, non-imaging radioisotopic study
- 78730      Urinary bladder residual study (List separately in addition to code for primary procedure)
- 78740      Ureteral reflux study (radiopharmaceutical voiding cystogram)
- 78761      Testicular imaging with vascular flow

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603 Diagnostic Imaging Centers: Radiology Service Codes and Descriptions (cont.)

Service  
Code

Service Description

78799 Unlisted genitourinary procedure, diagnostic nuclear medicine (I.C.)

**Other Procedures**

78800 Radiopharmaceutical localization of tumor or distribution of radiopharmaceutical agent(s); limited area  
78801 multiple areas  
78802 whole body, single day imaging  
78803 tomographic (SPECT)  
78804 whole body, requiring two or more days imaging  
78805 Radiopharmaceutical localization of inflammatory process; limited area  
78806 whole body  
78807 tomographic (SPECT)  
78990 Provision of diagnostic radiopharmaceutical(s) (I.C.)  
78811 Tumor imaging, positron emission tomography (PRT); limited area (e.g. head/neck)  
78812 skull base to mid-thigh  
78813 whole body  
78814 Tumor imaging, positron emission tomography (PET) with concurrently acquired computed tomography (CT) for attenuation correction and anatomical localization; limited area (e.g. head/neck)  
78815 skull base to mid-thigh  
78816 whole body  
78810 Tumor imaging, positron emission tomography (PET), metabolic evaluation  
78999 Unlisted miscellaneous procedure, diagnostic nuclear medicine (I.C.)

**Cardiovascular**

**Cardiography**

93000 Electrocardiogram, routine ECG with at least 12 leads; with interpretation and report  
93005 Electrocardiogram, routine ECG with at least 12 leads; tracing only, without interpretation and report  
93010 Electrocardiogram, routine ECG with at least 12 leads; interpretation and report only  
93012 Telephonic transmission of post-symptom electrocardiogram rhythm strip(s), 24-hour attended monitoring, per 30 day period of time; tracing only  
93014 Telephonic transmission of post-symptom electrocardiogram rhythm strip(s), 24-hour attended monitoring, per 30 day period of time; physician review with interpretation and report only  
93015 Cardiovascular stress test using maximal or submaximal treadmill or bicycle exercise, continuous electrocardiographic monitoring, and/or pharmacological stress; with physician supervision, with interpretation and report  
93016 Cardiovascular stress test using maximal or submaximal treadmill or bicycle exercise, continuous electrocardiographic monitoring, and/or pharmacological stress; physician supervision only, without interpretation and report

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603      Diagnostic Imaging Centers: Radiology Service Codes and Descriptions (cont.)

Service  
Code

Service Description

- |       |  |
|-------|--|
| 93017 | Cardiovascular stress test using maximal or submaximal treadmill or bicycle exercise, continuous electrocardiographic monitoring, and/or pharmacological stress; tracing only, without interpretation and report   |
| 93018 | Cardiovascular stress test using maximal or submaximal treadmill or bicycle exercise, continuous electrocardiographic monitoring, and/or pharmacological stress; interpretation and report only  |
| 93024 | Ergonovine provocation test  |
| 93025 | Microvolt T-wave alternans for assessment of ventricular arrhythmias   |
| 93040 | Rhythm ECG, one to three leads; with interpretation and report   |
| 93041 | Rhythm ECG, one to three leads; tracing only without interpretation and report   |
| 93042 | Rhythm ECG, one to three leads; interpretation and report only   |
| 93224 | Electrocardiographic monitoring for 24 hours by continuous original ECG waveform recording and storage, with visual superimposition scanning; includes recording, scanning analysis with report, physician review and interpretation   |
| 93225 | Electrocardiographic monitoring for 24 hours by continuous original ECG waveform recording and storage, with visual superimposition scanning; recording (includes hook-up, recording, and disconnection)   |
| 93226 | Electrocardiographic monitoring for 24 hours by continuous original ECG waveform recording and storage, with visual superimposition scanning; scanning analysis with report  |
| 93227 | Electrocardiographic monitoring for 24 hours by continuous original ECG waveform recording and storage, with visual superimposition scanning; physician review and interpretation  |
| 93230 | Electrocardiographic monitoring for 24 hours by continuous original ECG waveform recording and storage without superimposition scanning utilizing a device capable of producing a full miniaturized printout; includes recording, microprocessor-based analysis with report, physician review and interpretation   |
| 93231 | Electrocardiographic monitoring for 24 hours by continuous original ECG waveform recording and storage without superimposition scanning utilizing a device capable of producing a full miniaturized printout; recording (includes hook-up, recording, and disconnection)   |
| 93232 | Electrocardiographic monitoring for 24 hours by continuous original ECG waveform recording and storage without superimposition scanning utilizing a device capable of producing a full miniaturized printout; microprocessor-based analysis with report  |
| 93233 | Electrocardiographic monitoring for 24 hours by continuous original ECG waveform recording and storage without superimposition scanning utilizing a device capable of producing a full miniaturized printout; physician review and interpretation  |
| 93235 | Electrocardiographic monitoring for 24 hours by continuous computerized monitoring and non-continuous recording, and real-time data analysis utilizing a device capable of producing intermittent full-sized waveform tracings, possibly patient activated; includes monitoring and real-time data analysis with report, physician review and interpretation |
| 93236 | Electrocardiographic monitoring for 24 hours by continuous computerized monitoring and non-continuous recording, and real-time data analysis utilizing a device capable of producing intermittent full-sized waveform tracings, possibly patient activated; monitoring and real-time data analysis with report   |

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603      Diagnostic Imaging Centers: Radiology Service Codes and Descriptions (cont.)

Service  
Code

Service Description

- 93237      Electrocardiographic monitoring for 24 hours by continuous computerized monitoring and non-continuous recording, and real-time data analysis utilizing a device capable of producing intermittent full-sized waveform tracings, possibly patient activated; physician review and interpretation
- 93268      Patient demand single or multiple event recording with presymptom memory loop, 24-hour attended monitoring, per 30 day period of time; includes transmission, physician review and interpretation
- 93270      Patient demand single or multiple event recording with presymptom memory loop, 24-hour attended monitoring, per 30 day period of time; recording(includes hook-up, recording, and disconnection)
- 93271      Patient demand single or multiple event recording with presymptom memory loop, 24-hour attended monitoring, per 30 day period of time;monitoring, receipt of transmissions, and analysis
- 93272      Patient demand single or multiple event recording with presymptom memory loop, 24-hour attended monitoring, per 30 day period of time; physician review and interpretation only
- 93278      Signal-averaged electrocardiography (SAECG), with or without ECG

**Echocardiography**

- 93303      Transthoracic echocardiography for congenital cardiac anomalies; complete
- 93304      Transthoracic echocardiography for congenital cardiac anomalies; follow-up or limited study
- 93307      Echocardiography, transthoracic, real-time with image documentation (2D)with or without M-mode recording; complete
- 93308      Echocardiography, transthoracic, real-time with image documentation (2D)with or without M-mode recording; follow-up or limited study
- 93312      Echocardiography, transesophageal, real time with image documentation (2D) (with or without M-mode recording); including probe placement, image acquisition, interpretation and report
- 93313      Echocardiography, transesophageal, real time with image documentation (2D) (with or without M-mode recording); placement of transesophageal probe only
- 93314      Echocardiography, transesophageal, real time with image documentation (2D) (with or without M-mode recording); image acquisition,interpretation and report only
- 93315      Transesophageal echocardiography for congenital cardiac anomalies; including probe placement, image acquisition, interpretation and report
- 93316      Transesophageal echocardiography for congenital cardiac anomalies; placement of transesophageal probe only
- 93317      Transesophageal echocardiography for congenital cardiac anomalies; image acquisition, interpretation and report only
- 93318      Echocardiography, transesophageal (TEE) for monitoring purposes, including probe placement, real time 2-dimensional image acquisition and interpretation leading to ongoing (continuous) assessment of(dynamically changing) cardiac pumping function and to therapeutic measures on an immediate time basis

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603     Diagnostic Imaging Centers: Radiology Service Codes and Descriptions (cont.)

Service  
Code

Service Description

- 93320     Doppler echocardiography, pulsed wave and/or continuous wave with spectral display (List separately in addition to codes for echocardiographic imaging); complete
- 93321     Doppler echocardiography, pulsed wave and/or continuous wave with spectral display (List separately in addition to codes for echocardiographic imaging); follow-up or limited study (List separately in addition to codes for echocardiographic imaging)
- 93325     Doppler echocardiography color flow velocity mapping (List separately in addition to codes for echocardiography)
- 93350     Echocardiography, transthoracic, real-time with image documentation(2D), with or without M-mode recording, during rest and cardiovascular stress test using treadmill, bicycle exercise and/or pharmacologically induced stress, with interpretation and report

**Other Vascular Studies**

- 93724     Electronic analysis of antitachycardia pacemaker system (includes electrocardiographic recording, programming of device, induction and termination of tachycardia via implanted pacemaker, and interpretation of recordings)
- 93727     Electronic analysis of implantable loop recorder (ILR) system (includes retrieval of recorded and stored ECG data, physician review and interpretation of retrieved ECG data and reprogramming)
- 93731     Electronic analysis of dual-chamber pacemaker system (includes evaluation of programmable parameters at rest and during activity where applicable, using electrocardiographic recording and interpretation of recordings at rest and during exercise, analysis of event markers and device response); without reprogramming
- 93732     Electronic analysis of dual-chamber pacemaker system (includes evaluation of programmable parameters at rest and during activity where applicable, using electrocardiographic recording and interpretation of recordings at rest and during exercise, analysis of event markers and device response); with reprogramming
- 93733     Electronic analysis of dual chamber internal pacemaker system (may include rate, pulse amplitude and duration, configuration of wave form, and/or testing of sensory function of pacemaker), telephonic analysis
- 93734     Electronic analysis of single chamber pacemaker system (includes evaluation of programmable parameters at rest and during activity where applicable, using electrocardiographic recording and interpretation of recordings at rest and during exercise, analysis of event markers and device response); without reprogramming
- 93735     Electronic analysis of single chamber pacemaker system (includes evaluation of programmable parameters at rest and during activity where applicable, using electrocardiographic recording and interpretation of recordings at rest and during exercise, analysis of event markers and device response); with reprogramming
- 93736     Electronic analysis of single chamber internal pacemaker system (may include rate, pulse amplitude and duration, configuration of wave form, and/or testing of sensory function of pacemaker), telephonic analysis

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603      Diagnostic Imaging Centers: Radiology Service Codes and Descriptions (cont.)

Service

Code      Service Description

- 93740      Temperature gradient studies
- 93741      Electronic analysis of pacing cardioverter-defibrillator (includes interrogation, evaluation of pulse generator status, evaluation of programmable parameters at rest and during activity where applicable, using electrocardiographic recording and interpretation of recordings at rest and during exercise, analysis of event markers and device response); single chamber or wearable cardioverter-defibrillator system, without reprogramming
- 93742      Electronic analysis of pacing cardioverter-defibrillator (includes interrogation, evaluation of pulse generator status, evaluation of programmable parameters at rest and during activity where applicable, using electrocardiographic recording and interpretation of recordings at rest and during exercise, analysis of event markers and device response); single chamber or wearable cardioverter-defibrillator system, with reprogramming
- 93743      Electronic analysis of pacing cardioverter-defibrillator (includes interrogation, evaluation of pulse generator status, evaluation of programmable parameters at rest and during activity where applicable, using electrocardiographic recording and interpretation of recordings at rest and during exercise, analysis of event markers and device response); dual chamber, without reprogramming
- 93744      Electronic analysis of pacing cardioverter-defibrillator (includes interrogation, evaluation of pulse generator status, evaluation of programmable parameters at rest and during activity where applicable, using electrocardiographic recording and interpretation of recordings at rest and during exercise, analysis of event markers and device response); dual chamber, with reprogramming
- 93745      Initial set-up and programming by a physician of wearable cardioverter-defibrillator includes initial programming of system, establishing baseline electronic ECG, transmission of data to data repository, patient instruction in wearing system and patient reporting of problems or events (I.C.)
- 93784      Ambulatory blood pressure monitoring, utilizing a system such as magnetic tape and/or computer disk, for 24 hours or longer; including recording, scanning analysis, interpretation and report
- 93786      Ambulatory blood pressure monitoring, utilizing a system such as magnetic tape and/or computer disk, for 24 hours or longer; recording only
- 93788      Ambulatory blood pressure monitoring, utilizing a system such as magnetic tape and/or computer disk, for 24 hours or longer; scanning analysis with report
- 93790      Ambulatory blood pressure monitoring, utilizing a system such as magnetic tape and/or computer disk, for 24 hours or longer; physician review with interpretation and report

**Other Procedures**

- 93797      Physician services for outpatient cardiac rehabilitation; without continuous ECG monitoring (per session)
- 93798      Physician services for outpatient cardiac rehabilitation; with continuous ECG monitoring (per session)
- 93799      Unlisted cardiovascular service or procedure (I.C.)

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603 Diagnostic Imaging Centers: Radiology Service Codes and Descriptions (cont.)

Service  
Code

Service Description

### **Non-Invasive Vascular Diagnostic Studies**

#### **Cerebrovascular Arterial Studies**

- 93875 Non-invasive physiologic studies of extracranial arteries, complete bilateral study (e.g., periorbital flow direction with arterial compression, ocular pneumoplethysmography, Doppler ultrasound spectral analysis)
- 93880 Duplex scan of extracranial arteries; complete bilateral study
- 93882 Duplex scan of extracranial arteries; unilateral or limited study
- 93886 Transcranial Doppler study of the intracranial arteries; complete study
- 93888 Transcranial Doppler study of the intracranial arteries; limited study
- 93890 Transcranial Doppler study of the intracranial arteries; vasore activity study
- 93892 Transcranial Doppler study of the intracranial arteries; emboli detection without intravenous microbubble injection
- 93893 Transcranial Doppler study of the intracranial arteries; emboli detection with intravenous microbubble injection

#### **Extremity Arterial Studies (Including Digits)**

- 93922 Non-invasive physiologic studies of upper or lower extremity arteries, single level, bilateral (e.g., ankle/brachial indices, Doppler waveform analysis, volume plethysmography, transcutaneous oxygen tension measurement)
- 93923 Non-invasive physiologic studies of upper or lower extremity arteries, multiple levels or with provocative functional maneuvers, complete bilateral study (e.g., segmental blood pressure measurements, segmental Doppler waveform analysis, segmental volume plethysmography, segmental transcutaneous oxygen tension measurements, measurements with postural provocative tests, measurements with reactive hyperemia)
- 93924 Non-invasive physiologic studies of lower extremity arteries, at rest and following treadmill stress testing, complete bilateral study
- 93925 Duplex scan of lower extremity arteries or arterial bypass grafts; complete bilateral study
- 93926 Duplex scan of lower extremity arteries or arterial bypass grafts; unilateral or limited study
- 93930 Duplex scan of upper extremity arteries or arterial bypass grafts; complete bilateral study
- 93931 Duplex scan of upper extremity arteries or arterial bypass grafts; unilateral or limited study

#### **Extremity Venous Studies (Including Digits)**

- 93965 Non-invasive physiologic studies of extremity veins, complete bilateral study (e.g., Doppler waveform analysis with responses to compression and other maneuvers, phleborheography, impedance plethysmography)
- 93970 Duplex scan of extremity veins including responses to compression and other maneuvers; complete bilateral study
- 93971 Duplex scan of extremity veins including responses to compression and other maneuvers; unilateral or limited study

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603     Diagnostic Imaging Centers: Radiology Service Codes and Descriptions (cont.)

Service  
Code

Service Description

**Visceral and Penile Vascular Studies**

- 93975     Duplex scan of arterial inflow and venous outflow of abdominal, pelvic, scrotal contents and/or retroperitoneal organs; complete study
- 93976     Duplex scan of arterial inflow and venous outflow of abdominal, pelvic, scrotal contents and/or retroperitoneal organs; limited study
- 93978     Duplex scan of aorta, inferior vena cava, iliac vasculature, or bypass grafts; complete study
- 93979     Duplex scan of aorta, inferior vena cava, iliac vasculature, or bypass grafts; unilateral or limited study
- 93980     Duplex scan of arterial inflow and venous outflow of penile vessels; complete study
- 93981     Duplex scan of arterial inflow and venous outflow of penile vessels; follow-up or limited study

**Visceral and Penile Vascular Studies**

- 93990     Duplex scan of hemodialysis access (including arterial inflow, body of access and venous outflow)

604     Mammography Vans: Radiology Service Codes and Descriptions

Service  
Code

Service Description

**Radiologic Guidance**

**Breast Mammography**

- 77051     Computer-aided detection (computer algorithm analysis of digital image data for lesion detection) with further physician review for interpretation, with or without digitization of film radiographic images; diagnostic mammography (List separately in addition to code for primary procedure)
- 77052     screening mammography (List separately in addition to code for primary procedure)
- 77053     Mammary ductogram or galactogram, single duct, radiological supervision and interpretation
- 77054     Mammary ductogram or galactogram, multiple ducts, radiological supervision and interpretation
- 77055     Mammography; unilateral
- 77056         bilateral
- 77057     Screening mammography, bilateral (2 view film study of each breast)

**Diagnostic Ultrasound**

**Chest**

- 76645     Ultrasound, breast(s) (unilateral or bilateral), B-scan and/or real time with image documentation

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605      Sleep Centers: Radiology Service Codes and Descriptions

Service  
Code      Service Description

### **Neurology and Neuromuscular Procedures**

#### **Sleep Studies**

- 95805      Multiple sleep latency or maintenance of wakefulness testing, recording, analysis and interpretation of physiological measurements of sleep during multiple trials to assess sleepiness
- 95806      Sleep study, simultaneous recording of ventilation, respiratory effort, ECG or heart rate, and oxygen saturation, unattended by a technologist
- 95807      Sleep study, simultaneous recording of ventilation, respiratory effort, ECG or heart rate, and oxygen saturation, attended by a technologist
- 95808      Polysomnography; sleep staging with 1-3 additional parameters of sleep, attended by a technologist
- 95810      Polysomnography; sleep staging with 4 or more additional parameters of sleep, attended by a technologist
- 95811      Polysomnography; sleep staging with 4 or more additional parameters of sleep, with initiation of continuous positive airway pressure therapy or bilevel ventilation, attended by a technologist